

How to change front wheel bearing on Audi A4 B6 – replacement guide






VIDEO TUTORIAL

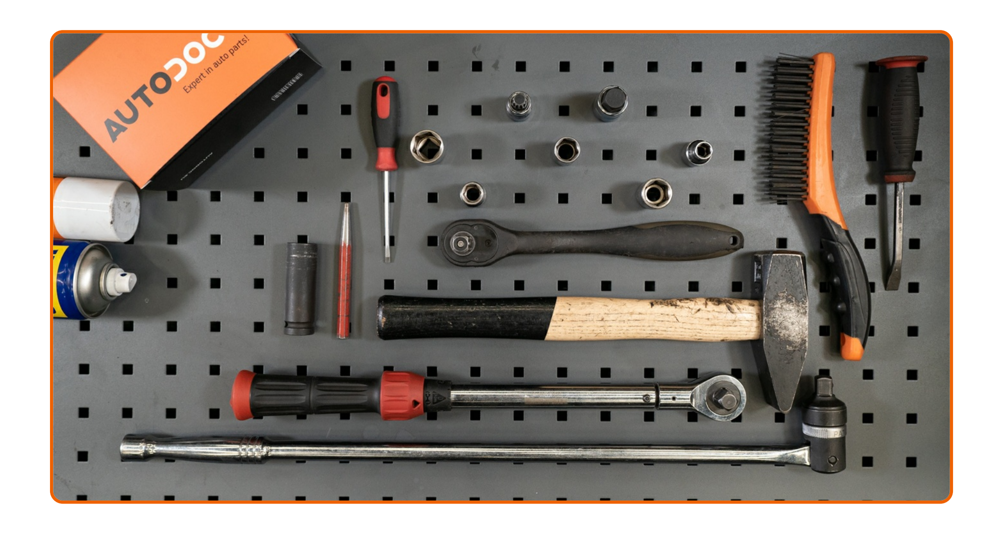
Important!

This replacement procedure can be used for:
AUDI A4 (8E2, B6) 1.8 T, AUDI A4 (8E2, B6) 1.8 T quattro, AUDI A4 (8EC, B7) 1.8 T, AUDI A4 (8EC, B7) 1.8 T quattro, AUDI A4 Avant (8E5, B6) 1.8 T, AUDI A4 Avant (8E5, B6) 1.8 T quattro, AUDI A4 Avant (8ED, B7) 1.8 T, AUDI A4 Avant (8ED, B7) 1.8 T quattro, AUDI A4 Convertible (8H7, B6, 8HE, B7) 1.8 T quattro

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The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – AUDI A4 B6. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Combination spanner #21
- Drive socket # 10
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- XZN socket bit # 12
- HEX bit No.H17.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Bush and bearing driver set
- Pin punch
- Hammer
- Flat chisel
- Crow bar
- Wheel chock

AUTODOC recommends:

- Do not re-use the bearing assembly of your Audi A4 B6 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Audi A4 B6 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2

Loosen the wheel mounting bolts. Use wheel impact socket #17.

3



Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.

AUTODOC recommends:

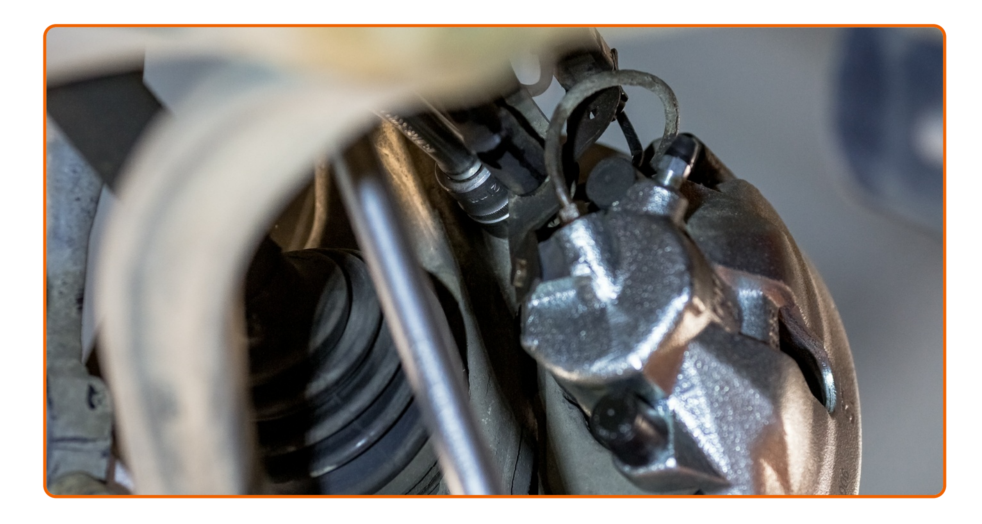
- Important! Hold the wheel while unscrewing the fastening bolts. Audi A4 B6

5



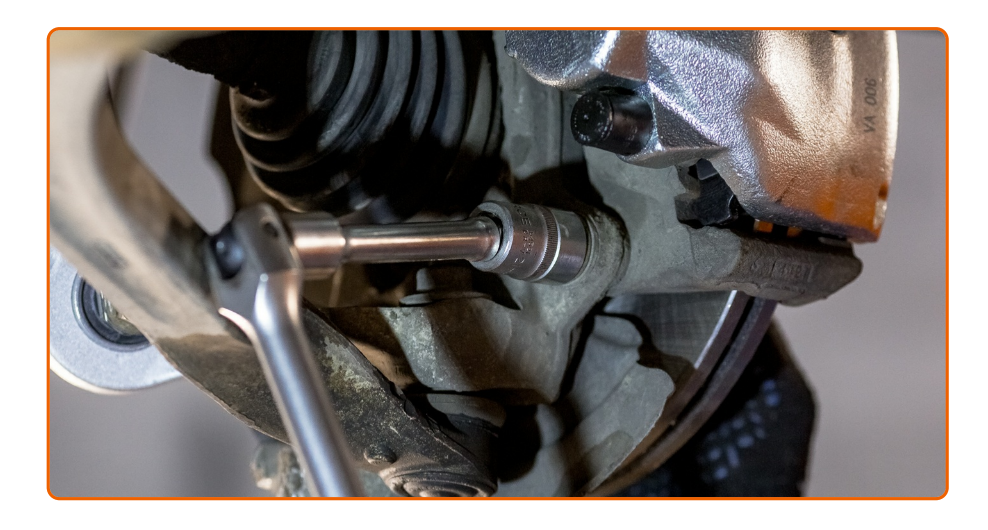
Remove the wheel.

6



Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

7



Unscrew the caliper bracket fastening. Use a drive socket #21. Use a ratchet wrench.

8

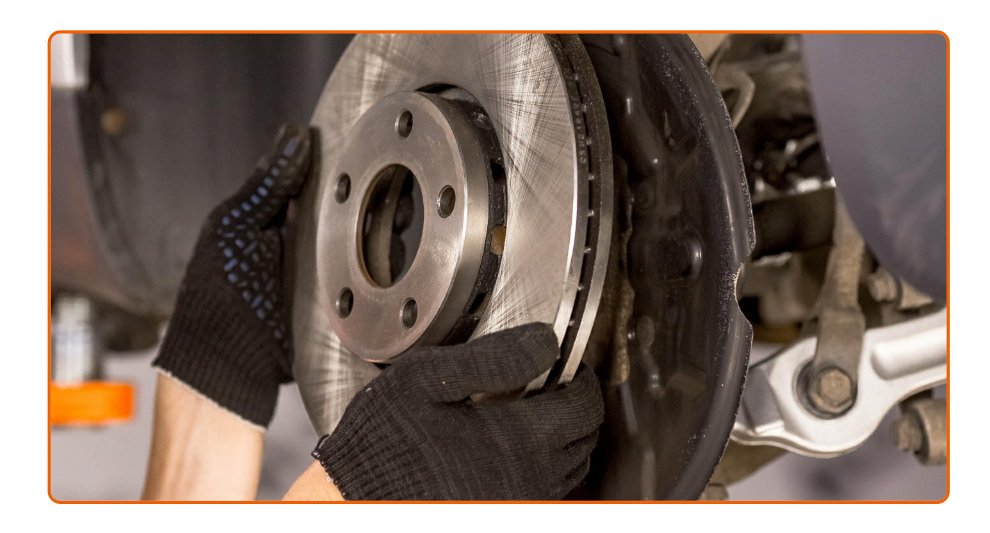


Remove the brake caliper together with its bracket.

Replacement: wheel bearing – Audi A4 B6. Tip from AUTODOC experts:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

9



Remove the brake disc.



10

Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

11



Unscrew the wheel hub axle nut. Use HEX No.H17. Use a ratchet wrench.

12

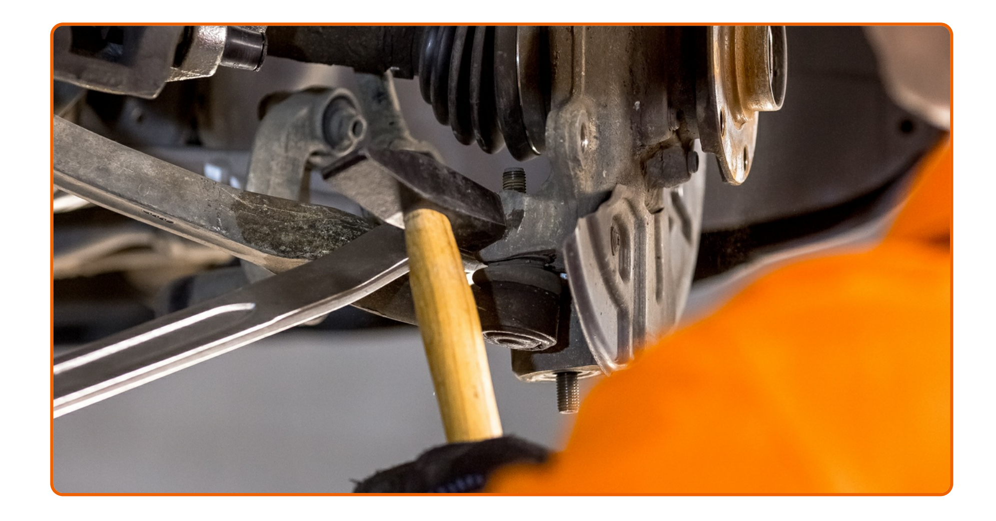
Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

13



Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #18. Use a combination spanner #18. Use a ratchet wrench.

14



Disconnect the lower arm from the steering knuckle. Use a hammer. Use a crowbar.

15



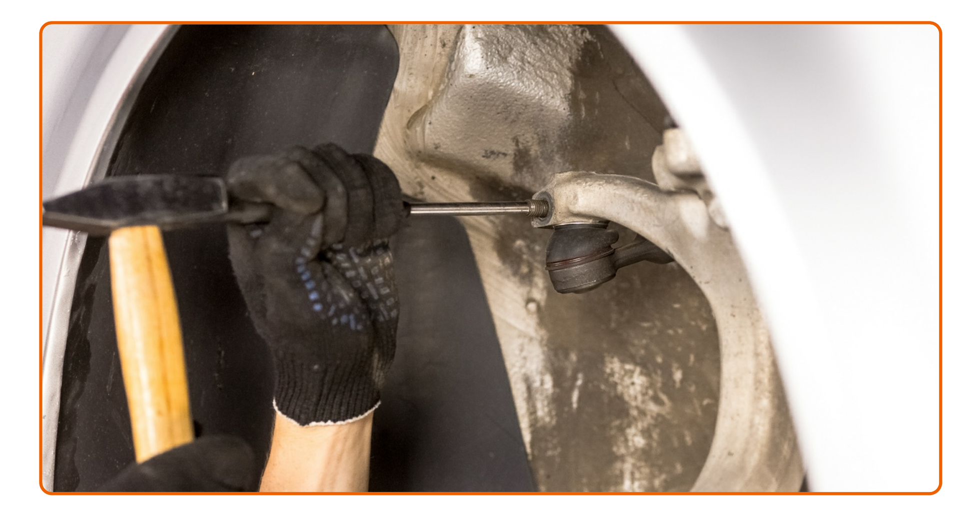
Unscrew the end fastening nut to the steering knuckle. Use a drive socket #13. Use a ratchet wrench.

16



Unscrew the end fastening nut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.

17



Remove the fastening bolt. Use a pin punch. Use a hammer.

18



Disconnect the tie rod end from the steering knuckle. Use a flat metal-working chisel. Use a hammer.

19



Unscrew the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

20



Detach the upper control arm from the steering knuckle. Use a flat metal-working chisel. Use a hammer.

21



Unscrew the ABS sensor fastening from the steering knuckle. Use a drive socket #10. Use a ratchet wrench.

22



Remove the ABS sensor from the steering knuckle.

23



Remove the steering knuckle together with the hub.

24



Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.

25



Unscrew the hub bearing fastening to the steering knuckle. Use XZN #12. Use a ratchet wrench.

26



Press out the wheel hub bearing. Use a hammer.

Replacement: wheel bearing – Audi A4 B6. Professionals recommend:

- Apply special grease to the bearing assembly mounting seat.

27



Press the new bearing in the steering knuckle. Use a hammer.

28



Screw the new hub bearing fastener into the steering knuckle. Use XZN #12. Use a ratchet wrench.

Replacement: wheel bearing – Audi A4 B6. AUTODOC recommends:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.

29



Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.

Replacement: wheel bearing – Audi A4 B6. Tip:

- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

30



Install the steering knuckle with a hub in assembly.

31



Connect the lower arm to the steering knuckle.

32



Screw the wheel hub axle nut.

33

Attach the upper control arm to the steering knuckle. Use a hammer.

34



Tighten the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 70 Nm torque.

35

Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.

36



Screw the fasteners of the ball joint. Use a drive socket #18. Use a ratchet wrench.

37



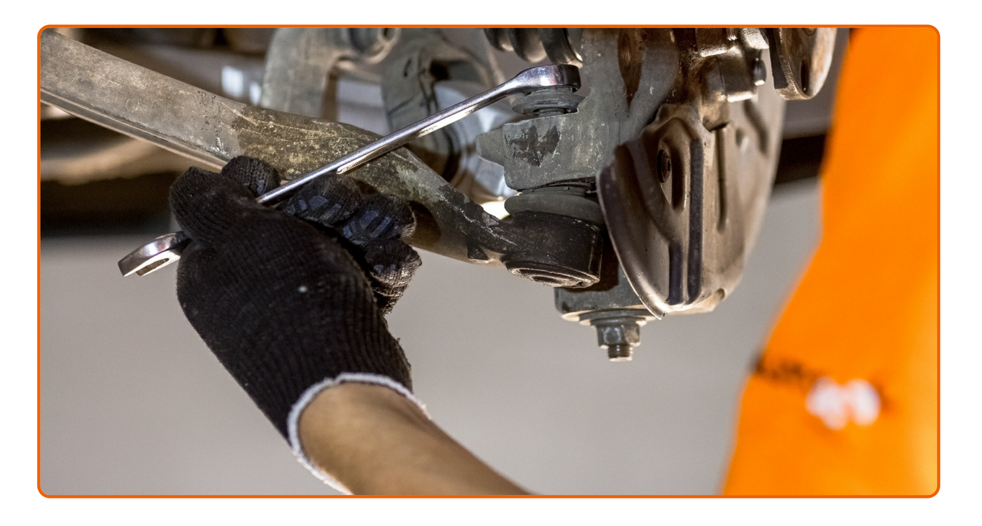
Connect the tie rod end to the steering knuckle. Use a hammer.

38



Install the fastening bolt.

39



Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 70 nm torque.

40



Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #13. Use a torque wrench. Tighten it to 45 nm torque.

41

Tighten the ball joint fastener. Use a drive socket #18. Use a torque wrench. Tighten it to 75 Nm torque.

42



Install the brake disc.

43

Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

44



Install the brake caliper together with its bracket.

45



Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 65 Nm torque.

46



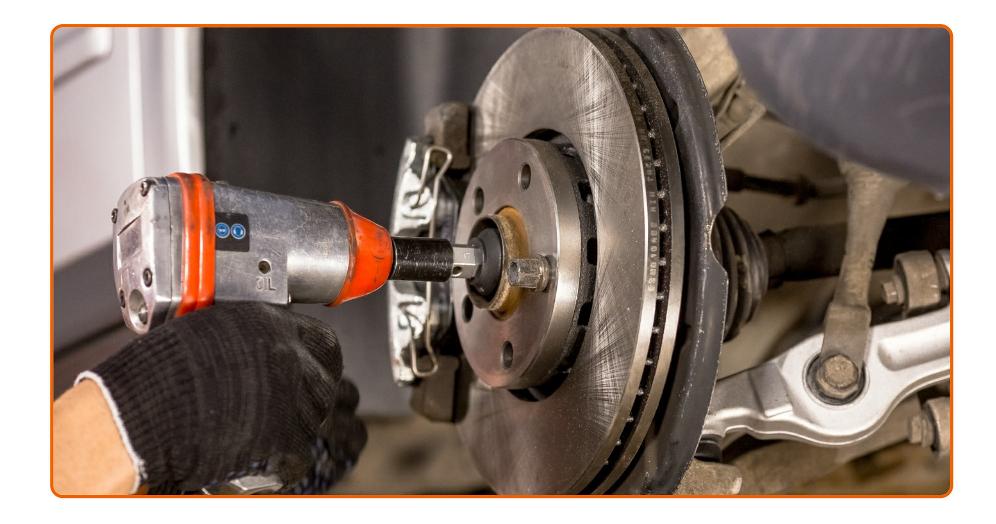
Connect the ABS sensor to the steering knuckle.

47



Screw in the fastener that connects the ABS sensor to the rear knuckle. Use a drive socket #10. Use a ratchet wrench.

48



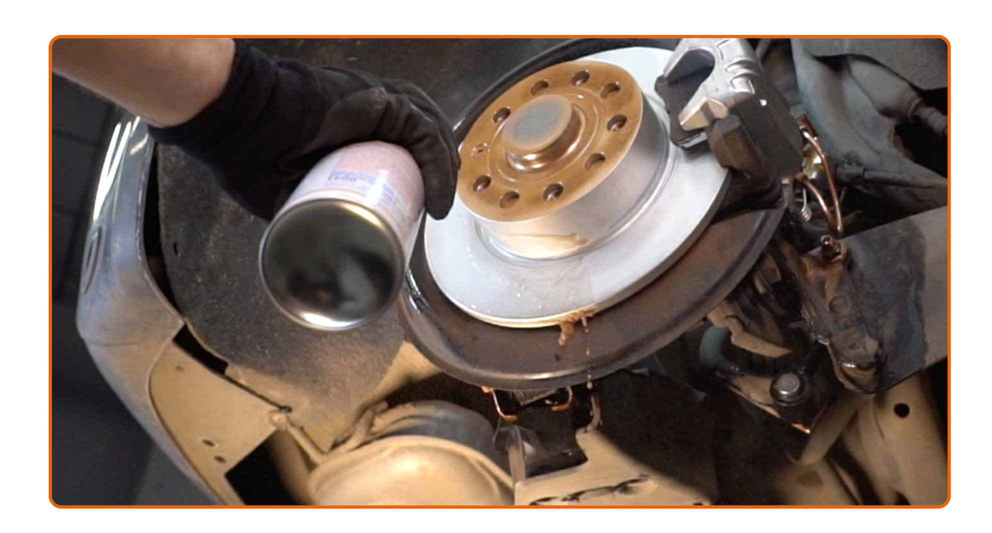
Tighten the hub. Use HEX No.H17. Use a torque wrench. Tighten it to 155 nm torque.

49



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

50



Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: wheel bearing – Audi A4 B6. After applying the spray, wait a few minutes.

51



Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A4 B6

52



Screw in the wheel bolts. Use wheel impact socket #17.

53



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

54

Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO



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